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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

## Listing of Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

 (Previously Presented) A method comprising: receiving a plurality of instructions from a test interface;

loading the plurality of instructions into an emulation instruction register;

receiving a plurality of instructions from the emulation instruction register;

determining a validity of a first instruction of the plurality of instructions by reading width bits in the first emulation instruction, the width bits which are read defining the validity and size of the first emulation instruction;

providing the first instruction to a decoder of a processor if the first instruction is valid;

without receiving a run-test idle state signal, determining a validity of a second instruction of the plurality of instructions by reading width bits in the second instruction, the width bits which are read defining the validity and size of the second emulation instruction; and

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providing the second instruction to the decoder if the second instruction is valid.

## 2. (Canceled)

3. (Previously Presented) The method of Claim 1, further comprising storing the plurality of instructions in the emulation instruction register in subsequent clock cycles.

## 4. (Canceled)

- 5. (Previously Presented) The method of Claim 1, further comprising loading the plurality of instructions in parallel into the emulation instruction register.
- 6. (Previously Presented) The method of Claim 1, further comprising providing the second instruction to the decoder after the first instruction is completed.
- 7. (Previously Presented) The method of Claim 1, further comprising providing the plurality of instructions to the decoder after a first run-test idle state without entering into a second run-test idle state.
- 8. (Previously Presented) The method of Claim 1, further comprising providing the first and second instructions to a digital signal processor.

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9. (Currently Amended) A method of providing instructions to a processor, the method comprising:

loading a plurality of instructions into an emulation instruction register from a test interface;

receiving a run-test idle state signal, the run-test idle state signal indicating entry of the test interface into a run-test idle state;

providing the plurality of instructions to the processor in response to the receipt of the run-test idle state signal;

determining a validity of each of the plurality of instructions before processing by reading bits in each instruction indicating a width of the instruction; and

processing the plurality of instructions without receiving another run-test idle state signal.

Claims 10.-11. (Canceled)

- 12. (Currently Amended) The method of Claim [[11]]  $\underline{9}$ , further comprising aborting processing of any invalid instructions and loading a next instruction into the emulation instruction register.
- 13. (Previously Presented) The method of Claim 9, further comprising loading a next instruction into the emulation instruction register if a no-operation instruction is loaded.

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14. (Previously Presented) The method of Claim 9, further comprising providing the plurality of instructions to the processor a plurality of times without reloading the instruction register.

- 15. (Original) The method of Claim 9, further comprising providing the plurality of instructions to a digital signal processor.
  - 16. (Currently Amended) A processor comprising:

a test interface;

an emulation instruction register adapted to store a plurality of emulation instructions received from the test interface:

emulation control logic adapted to supply the plurality of emulation instructions to a processor pipeline in response to detection of an entry of the test interface into a run-test idle state, wherein the emulation control logic determines a validity of the plurality of instructions by reading bits in each instruction indicating a width of each instruction and discards any invalid instructions; and

a decoder to receive the plurality of instructions for processing.

Claims 17.-18. (Canceled)

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19. (Previously Presented) The processor of Claim 16, wherein the emulation control logic loads a next instruction from the emulation instruction register immediately after detecting a no-operation instruction.

- 20. (Original) The processor of Claim 16, wherein the processor is a digital signal processor.
- 21. (Currently Amended) An apparatus, including operating instructions residing on a machine-readable storage medium, for use in a device to handle a plurality of emulation instructions, the operating instructions causing the device to:

load the plurality of emulation instructions into a single emulation instruction register;

have a test interface enter a run-test idle state;

provide the plurality of emulation instructions to a

processor in response to entry of the test interface into the

run-test idle state; and

process the plurality of emulation instructions.

wherein a validity of each of the plurality of instructions is determined before processing by reading bits in each instruction indicating a width of each instruction.

Claims 22.-23. (Canceled)

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24. (Previously Presented) The method of Claim 1, further comprising:

scanning instructions from an in-circuit emulator (ICE) to the test interface, the test interface comprising a Joint Test Action Group (JTAG) interface.

- 25. (Previously Presented) The method of Claim 1, wherein a pre-determined set of width bits indicates an instruction is invalid.
- 26. (Previously Presented) The processor of Claim 16, wherein the emulation instruction register comprises first and second registers.
- 27. (Previously Presented) The processor of Claim 16, wherein the emulation control logic comprises a state machine.
- 28. (Previously Presented) The processor of Claim 16, further comprises a multiplexer to select between an instruction for the plurality of instructions to send to the processor pipeline.
- 29. (Previously Presented) The apparatus of Claim 21, further comprising an in-circuit emulator to monitor operations of the processor.

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30. (Previously Presented) The method of Claim 1, further comprising executing at least one of the plurality of instructions to monitor operation of the processor.

31. (Previously Presented) The method of claim 1, further comprising:

performing a debugging operation using the first and second instructions.